Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The null vector is regarded to be perpendicular to	A. Every vector B. In some cases C. Both a b D. None
2	Question Image	A. 30° B. 60° C. 45° D. None of these
3	The distance of the point (2.3) from x-axis is	A. 2 B. 3 C. 5
4	sec (-360°) = _____	A. 0 B. 1 C. 2 D. 3
5	Question Image	D. none of these
6	The solution of differential equation:	A. dy/dx+y/x = x²is : B. 4xy = x⁴+ c C. 4x = x⁴= c D. 4 y = x⁴+ c E. 4x=4x³ + c
7	ax + by < c is linear inequality in	A. four variables B. three variables C. two variables D. one variable
8	Question Image	
9	Question Image	A. xy B. y C. 0 D. x
10	What is the probability of being born on Wednesday?	A. 1/7 B. 1/2 C. 1/3 D. 1/8
11	The point (x_1, y_1) lies outside the circle $x^2+ y^2+ 2gx + 2fy + c =0$ if	
12	What is the period of sin 2x/3 cos 4x=?	A. π B. 2π C. π/2 D. π/3
13	Question Image	A. 1 B. 2 C. 0 D. 4
14	Domain of cot x is _____	
15	Question Image	
16	The physical quantity which can be specified by a number alongwith unit is called a	A. scalar B. vector C. constant D. none of these
17	Question Image	A. A = B B. B = C C. A = C D. None of these
18	Question Image	
		A. 6, 10

19	In a quadratic equation with leading co-efficient 1, a student reads the co-obtain the roots as - 15 and -4. The correct roots are	B. -6, -10 C. 8, 8 D. -8, -8
20	What is the 26th term of the sequence, if its general term is $a_n = (-1)^{n+1}$	A. 2 B. 26 C. 27 D. 1